| | T 1 191 | I O and T at | 100 | 1 |
|------------|---|--|--------|---------------------------------------|
| L Number | Hits | | DB | Time stamp |
| 1 | 15 | 381/320-321.ccls. and preamplifier SAME feedback | USPAT | 2004/02/09 15:55 |
| 2 | 3 | 381/320-321.ccls. and preamplifier SAME (DAC or digital adj3 | USPAT | 2004/02/09 15:57 |
| - | 1 | analog adj3 convert\$3) | | |
| 3 | ١ , | | LICDAT | 2004/02/00 45:57 |
| 3 | 0 | 381/320-321.ccls. and preamplifier SAME (DAC or digital adj3 | USPAT | 2004/02/09 15:57 |
| | | analog adj3 convert\$3) SAME feedback | | 1 |
| 4 | 0 | 381/107.ccls. and preamplifier SAME (DAC or digital adj3 | USPAT | 2004/02/09 15:57 |
| | | analog adj3 convert\$3) SAME feedback | | |
| 5 | 4 | 381/107.ccls. and (DAC or digital adj3 analog adj3 convert\$3) | USPAT | 2004/02/09 15:59 |
| 3 | 7 | | OOFAI | 2004/02/09 15.59 |
| | | SAME feedback | | |
| 6 | 1 | 381/95.ccls. and (DAC or digital adj3 analog adj3 convert\$3) | USPAT | 2004/02/09 15:59 |
| | | SAME feedback | | |
| 17 | 5 | 381/83.ccls. and (DAC or digital adj3 analog adj3 convert\$3) | USPAT | 2004/02/09 16:03 |
| 1 ' | | SAME feedback | 001 71 | 2004/02/09 10:05 |
| | | | LIODAT | 0004/00/00 40 00 |
| 8 | 6 | 381/93.ccls. and (DAC or digital adj3 analog adj3 convert\$3) | USPAT | 2004/02/09 16:06 |
| | | SAME feedback | | |
| 9 | 13 | 381/95.ccls. and feedback | USPAT | 2004/02/09 16:08 |
| 10 | 105 | 381/93.ccls. and feedback | USPAT | 2004/02/09 16:08 |
| | | | | |
| 11 | 27 | 381/93.ccls. and feedback SAME hearing adj3 aid | USPAT | 2004/02/09 16:11 |
| 12 | 105 | 381/93.ccls. and feedback SAMEdigital | USPAT | 2004/02/09 16:12 |
| 13 | 29 | 381/93.ccls. and feedback SAME digital | USPAT | 2004/02/09 16:15 |
| 14 | 4 | 381/95.ccls. and feedback SAME digital | USPAT | 2004/02/09 16:16 |
| 15 | 21 | 381/318.ccls. and feedback SAME digital | USPAT | 2004/02/09 16:16 |
| - | i | | | |
| 16 | 5 | (("4495643") or ("6628795") or ("5528695") or ("4071695") or | USPAT | 2004/02/09 17:06 |
| 1 | | ("5706357")).PN. | | |
| 17 | 2 | 381/320-321.ccls. and shift\$3 SAME bits SAME digital | USPAT | 2004/02/09 17:09 |
| 18 | 5 | 381/321.ccls. and shift\$3 SAME bits | USPAT | 2004/02/09 17:11 |
| 1 | _ | | | 1 |
| 19 | 11 | 381/107.ccls. and shift\$3 SAME bits | USPAT | 2004/02/09 17:12 |
| - | 46 | 381/104-107.ccls. and gain SAME hear\$3 adj3 aid | USPAT | 2004/01/24 11:23 |
| - | 0 | 381/104-107.ccls. and gain SAME hear\$3 adj3 aid SAME DSP | USPAT | 2004/01/22 18:30 |
| 1_ | 1 | 381/318.ccls. and gain SAME hear\$3 adj3 aid SAME DSP | USPAT | 2004/01/22 18:31 |
| 1 | - | | | |
| 1- | 0 | 381/318.ccls. and digital adj3 gain adj3 control | USPAT | 2004/01/22 18:31 |
| - | 50 | 381/\$.ccls. and digital adj3 gain adj3 control | USPAT | 2004/01/22 18:31 |
| - | 2 | 381/\$.ccls. and digital adj3 gain adj3 control SAME hearing | USPAT | 2004/01/22 18:32 |
| İ | | adj3 aid | | |
| 1_ | 7 | 381/\$.ccls. and digital adj3 gain adj3 control SAME feedback | USPAT | 2004/01/22 18:34 |
| | Ó | 381/95.ccls. and digital adj3 gain adj3 control SAME feedback | USPAT | |
| - | | | | 2004/01/22 18:35 |
| - | 1 | 381/93.ccls. and digital adj3 gain adj3 control SAME feedback | USPAT | 2004/01/22 18:35 |
| - | 11 | 381/93.ccls. and gain adj3 control SAME feedback | USPAT | 2004/01/22 18:36 |
| - | 79 | 381/104-107.ccls. and gain adj3 control SAME feedback | USPAT | 2004/01/22 18:36 |
| _ | 49 | 381/104-107.ccls. and gain adj3 control WITH feedback | USPAT | 2004/01/22 18:36 |
| | 94 | | | |
| - | l . | 381/312.ccls. and gain SAME hear\$3 adj3 aid | USPAT | 2004/01/24 11:51 |
| - | .80 | 381/312.ccls. and gain WITH hear\$3 adj3 aid | USPAT | 2004/01/24 12:17 |
| - | 0 | 381/312.ccls. and gain WITH Hilbert adj3 filters | USPAT | 2004/01/24 12:18 |
| - | 0 | 381/\$.ccls. and gain WITH Hilbert adj3 filters | USPAT | 2004/01/24 12:19 |
| - | 1 | 381/\$.ccls. and Hilbert adj3 filters | USPAT | 2004/01/24 12:19 |
| 1 | 1 | | | 1 |
| 1 - | 17 | 381/\$.ccls. and Hilbert SAME filters | USPAT | 2004/01/24 12:46 |
| - | 5 | 381/312.ccls. and hear\$3 adj3 aid SAME envelope | USPAT | 2004/01/24 12:47 |
| - | 4 | 381/312.ccls. and hear\$3 adj3 aid SAME inhibit\$3 | USPAT | 2004/01/24 12:48 |
| - | 0 | 381/321.ccls. and hear\$3 adj3 aid SAME inhibit\$3 SAME gain | USPAT | 2004/01/24 12:49 |
| _ | 84 | 381/321.ccls. and hear\$3 adj3 aid SAME gain | USPAT | 2004/01/24 12:49 |
| | 1 | 201/221 colo and hoor®2 adia aid MITI acia | | |
| - | 75 | 381/321.ccls. and hear\$3 adj3 aid WITH gain | USPAT | 2004/01/24 13:12 |
| - | 35 | 381/314.ccls. and hear\$3 adj3 aid WITH gain | USPAT | 2004/01/24 12:54 |
| - | 4 | 381/104-107.ccls. and hear\$3 adj3 aid WITH gain SAME | USPAT | 2004/01/24 12:55 |
| | | filters | | |
| 1_ | 39 | 381/104-107.ccls. and hear\$3 adj3 aid WITH gain | LICDAT | 2004/04/24 42:50 |
| 1 | | | USPAT | 2004/01/24 12:56 |
| - | 10 | 381/107.ccls. and hear\$3 adj3 aid WITH gain | USPAT | 2004/01/24 12:57 |
| - | 322 | 381/107.ccls. | USPAT | 2004/01/24 12:57 |
| - | 12 | 381/107.ccls. and (DSP or digital adj3 signal adj3 processor) | USPAT | 2004/01/24 12:59 |
| 1 | 1 | SAME gain | | === :: 5 :: = : 12:00 |
| | | | LICDAT | 2004/04/04 40:00 |
| 1- | 5 | 381/107.ccls. and (DSP or digital adj3 signal adj3 processor) | USPAT | 2004/01/24 13:00 |
| | | SAME MODUlation | | |
| - | 253 | 381/104.ccls. | USPAT | 2004/01/24 13:18 |
| - | 290 | 381/312.ccls. | USPAT | 2004/01/24 13:00 |
| l <u>-</u> | 108 | 381/320-321.ccls. and hear\$3 adj3 aid WITH gain | USPAT | |
| _ | | | | 2004/01/24 13:14 |
| - | 3 | 381/95-96.ccls. and hear\$3 adj3 aid WITH gain | USPAT | 2004/01/24 13:14 |
| - | 11 | 381/83.ccls. and hear\$3 adj3 aid WITH gain | USPAT | 2004/01/24 13:15 |
| | 19 | 381/93.ccls. and hear\$3 adj3 aid WITH gain | USPAT | 2004/01/24 13:15 |
| | • | | | , · · · · · · · · · · · · · · · · · · |

| - | 46 | 381/104.ccls. and (DSP or digital adj3 signal adj3 process\$3) | USPAT | 2004/01/24 13:21 |
|-----|-----|--|--------|--------------------|
| - | 63 | 381/107.ccls. and (DSP or digital adj3 signal adj3 process\$3) | USPAT | 2004/01/24 13:21 |
| - | 29 | 381/104-107.ccls. and distortion SAME modula\$3 | USPAT | 2004/01/26 09:17 |
| 1_ | 81 | 381/104-107.ccls. and gain adj3 control SAME (feedback or | USPAT | 2004/01/26 09:18 |
| | " | feed adj3 back) | 00.71 | 200 110 1120 00:10 |
| | 24 | | LICDAT | 2004/04/26 00:22 |
| - | 21 | 381/107.ccls. and gain adj3 control WITH (feedback or feed | USPAT | 2004/01/26 09:23 |
| | | adj3 back) | | |
| - | 0 | 381/107.ccls. and gain adj3 control WITH (feedback or feed | USPAT | 2004/01/26 09:24 |
| | | adj3 back) SAME digital adj3 analog adj3 converter | | |
| - | 3 | 381/107.ccls. and gain adj3 control WITH (feedback or feed | USPAT | 2004/01/26 09:25 |
| | | adj3 back) SAME digital | | |
| 1_ | 0 | 381/107.ccls. and gain adj3 control WITH (feedback or feed | USPAT | 2004/01/26 09:26 |
| | | adj3 back) SAME digital SAME converter | 00.7.1 | 200 1/0 1/20 00:20 |
| | 0 | 381/104-107.ccls. and gain adj3 control WITH (feedback or | USPAT | 2004/01/26 09:26 |
| - | 0 | | USFAI | 2004/01/20 09.20 |
| | | feed adj3 back) SAME digital SAME converter | | 0004/04/00000 |
| - | 0 | 381/320-321.ccls. and gain adj3 control WITH (feedback or | USPAT | 2004/01/26 09:26 |
| | | feed adj3 back) SAME digital SAME converter | | ! |
| - | 20 | 381/320-321.ccls. and gain adj3 control WITH (feedback or | USPAT | 2004/01/26 09:28 |
| | | feed adj3 back) | | |
| - | 0 | 381/320-321.ccls. and enlyelope SAME smooth SAME | USPAT | 2004/01/26 09:30 |
| | | rectifi\$3 SAME modulat\$3 | | |
| 1_ | 0 | 381/320-321.ccls. and envelope SAME smooth SAME rectifi\$3 | USPAT | 2004/01/26 09:30 |
| 1 - | | • | USFAI | 2004/01/2009.30 |
| | | SAME modulat\$3 | 1100.7 | 0004/04/05 == == |
| - | 0 | 381/320-321.ccls. and envelope SAME smooth SAME rectifi\$3 | USPAT | 2004/01/26 09:30 |
| - | 0 | 381/320-321.ccls. and envelope SAME smooth SAME | USPAT | 2004/01/26 09:30 |
| | | modulat\$3 | | |
| - | 12 | 381/320-321.ccls. and envelope SAME modulat\$3 | USPAT | 2004/01/26 09:33 |
| _ | 14 | 381/320-321.ccls. and envelope SAME rectif\$4 | USPAT | 2004/01/26 09:34 |
| _ | 0 | 381/320-321.ccls. and envelope SAME Hilbert SAME filter | USPAT | 2004/01/26 11:59 |
| | 5 | 381/\$.ccls. and envelope SAME Hilbert SAME filter | USPAT | 2004/01/26 09:37 |
| | 4 | | | |
| - | 1 | 381/\$.ccis. and envelope SAME IIR SAME filter | USPAT | 2004/01/26 09:37 |
| - | 0 | 381/320-321.ccls. and envelope SAME Hilbert SAME digital | USPAT | 2004/01/26 11:59 |
| - | 0 | 381/\$.ccls. and envelope SAME Hilbert SAME digital | USPAT | 2004/01/26 12:00 |
| - | 15 | 381/\$.ccls. and Hilbert SAME digital | USPAT | 2004/01/26 12:00 |
| - | 0 | 381/320-321.ccls. and modulat\$3 SAME smooth SAME | USPAT | 2004/01/31 15:40 |
| | | envelope | | |
| - | 0 | 381/320-321.ccls. and modulat\$3 SAME smooth | USPAT | 2004/01/31 15:41 |
| _ | 12 | 381/320-321.ccls. and modulat\$3 SAME envelope | USPAT | 2004/01/31 15:44 |
| _ | 1 | 381/104.ccls. and modulat\$3 SAME envelope | USPAT | 2004/01/31 15:44 |
| - | 6 | 381/107.ccls. and modulat\$3 SAME envelope | USPAT | |
| - | 1 | | | 2004/01/31 15:45 |
| - | 17 | 704/500-504.ccls. and modulat\$3 SAME envelope | USPAT | 2004/01/31 15:45 |
| - | 3 | 704/500-504.ccls. and modulat\$3 SAME envelope SAME gain | USPAT | 2004/01/31 15:46 |
| - | 0 | 704/226-228.ccls. and modulat\$3 SAME envelope SAME gain | USPAT | 2004/01/31 15:46 |
| - | 0 | 704/233.ccls. and modulat\$3 SAME envelope SAME gain | USPAT | 2004/01/31 15:47 |
| - | 0 | 381/320-321.ccls. and smooth SAME envelope SAME gain | USPAT | 2004/01/31 15:47 |
| - | 1 | 381/320-321.ccls. and smooth SAME envelope | USPAT | 2004/01/31 15:48 |
| - | l ò | 381/320-321.ccls. and smooth adj3 envelope | USPAT | 2004/01/31 15:48 |
| _ | ŏ | 381/104-107.ccls. and smooth adj3 envelope | USPAT | 2004/01/31 15:49 |
| 1_ | 1 | 381/107.ccls. and smooth SAME envelope | USPAT | |
| | | | | 2004/01/31 15:49 |
|] - | 10 | 381/107.ccls. and smooth SAME gain | USPAT | 2004/01/31 15:55 |
| 1- | 36 | 381/107.ccls. and modulat\$3 SAME gain | USPAT | 2004/01/31 15:55 |
| - | 0 | 381/104107.ccls. and gain SAME modulat\$3 | USPAT | 2004/02/07 16:28 |
| - | 98 | 381/104-107.ccls. and gain SAME modulat\$3 | USPAT | 2004/02/07 16:30 |
| - | 56 | 381/104-107.ccls. and gain WITH modulat\$3 | USPAT | 2004/02/07 16:36 |
| - | 10 | 381/320-321.ccls. and gain WITH modulat\$3 | USPAT | 2004/02/07 16:40 |
| - | 11 | 381/320-321.ccls. and modulation SAME distort\$3 | USPAT | 2004/02/07 16:43 |
| _ | 10 | 381/107.ccls. and modulation SAME distort\$3 | USPAT | 2004/02/07 16:45 |
| 1_ | 3 | 381/\$.ccls. and modulation SAME distorts | | |
| 1 | | | USPAT | 2004/02/07 16:46 |
| - | 67 | 381/\$.ccls. and modulation SAME free | USPAT | 2004/02/07 16:50 |
| - | 11 | 381/\$.ccls. and Hilbert SAME transformation | USPAT | 2004/02/07 16:53 |
| - | 19 | 381/\$.ccls. and Hilbert SAME modulat\$3 | USPAT | 2004/02/07 17:01 |
| - | 2 | 381/\$.ccls. and Hilbert SAME modulat\$3 SAME envelope | USPAT | 2004/02/07 17:02 |
| - | 212 | 381/\$.ccls. and modulat\$3 SAME envelope | USPAT | 2004/02/07 17:02 |
| - | 10 | 381/320-321.ccls. and modulat\$3 WITh envelope | USPAT | 2004/02/07 17:05 |
| _ | 2 | 381/312.ccls. and modulat\$3 WiTh envelope | USPAT | 2004/02/07 17:05 |
| _ | 3 | | | |
| - | | 381/107.ccls. and modulat\$3 WITh envelope | USPAT | 2004/02/07 17:19 |
| - | 7 | 381/107.ccls. and rectif\$3 WITh envelope | USPAT | 2004/02/07 17:24 |
| | 79 | 381/320-321.ccls. and digital SAME hearing adj3 aid | USPAT | 2004/02/07 17:25 |

| - | 71 | 381/320-321.ccls. and digital WITH hearing adj3 aid | USPAT | 2004/02/07 17:25 |
|---|------|--|-------|------------------|
| - | 38 | 381/321.ccls. and digital WITH hearing adj3 aid | USPAT | 2004/02/07 17:25 |
| - | 4 | 381/320-321.ccls. and (DC or direct adj3 current) SAME filter SAME digital | USPAT | 2004/02/08 13:51 |
| - | 5 | | USPAT | 2004/02/08 13:37 |
| - | 6 | | USPAT | 2004/02/08 13:37 |
| _ | . 25 | 1 | USPAT | 2004/02/08 13:52 |
| _ | 16 | 1 | USPAT | 2004/02/08 13:53 |
| - | 3 | 381/\$.ccls. and Hilbert SAME orthogonal | USPAT | 2004/02/08 14:17 |
| - | 12 | | USPAT | 2004/02/08 14:16 |
| - | 2 | "3484556" and orthogonal | USPAT | 2004/02/08 14:16 |
| - | 10 | · · · · · · · · · · · · · · · · · · · | USPAT | 2004/02/08 14:17 |
| - | 12 | l | USPAT | 2004/02/09 15:24 |

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